



REMARKS

Claim 1 is amended to correct typographical errors.

Election/Restriction

As stated in the Response to Office Communication filed by Applicant on October 9, 2002, claim 49 is generic. Claim 49 is allowable as discussed below. Therefore, the claims drawn to the non-elected species should no longer be considered withdrawn. (See MPEP 809.02(c)(B).) Applicant requests that claims 17-24 and 41-48 be substantively examined.

Claim Rejections - 35 USC 103

Claims 1-16, 25-40 and 49 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,372,967 to Sundaram et al. ("Sundaram") in view of U.S. Patent No. 6,236,538 to Yamada et al. ("Yamada"). Applicant traverses this rejection.

Claim 1 recites forming a cylindrical insulating layer. The use of a cylindrical insulating layer eliminates sharp turns in the conductors which cause an abrupt change in the magnetic field. (See page 3, lines 4-6 of substitute specification.) The Examiner alleges that Sundaram teaches forming a cylindrical insulator, but the only core shapes disclosed by Sundaram have sharp turns. Although Sundaram mentions that other trench shapes are possible (col. 2, lines 38-41), Sundaram does not teach or suggest a cylindrical insulator eliminates sharp turns in the conductors.

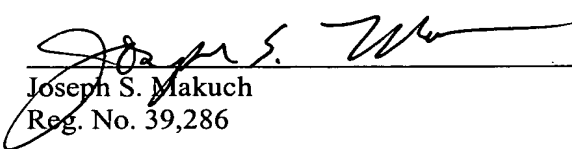
The Examiner also alleges that Fig. 35 of Yamada teaches an inherently semicircle arrangement based on a curved trench shape. However, even if the lower conductors were to conform to the trench shape, it would still not result in a cylindrical insulator because Yamada only teaches a core bounded by upper conductors that lie in a flat plane.

Since Sundaram and Yamada do not teach or suggest all of the elements recited in claim 1, a *prima facie* case of obviousness has not been established. Claim 25 recites forming a cylindrical insulator. Claim 49 recites forming an inductor having a cylindrical cross-section. As discussed above, the cited references do not teach a cylindrical shape, and therefore, a *prima facie* case of obviousness has not been established with respect to these claims either. The dependent claims recite further novel features that are not taught or suggested by the prior art.

Applicant requests reconsideration in view of the foregoing amendments and remarks.
The Examiner is encouraged to telephone the undersigned at (503) 222-3613 if it appears that
an interview would be helpful in advancing the case.

Respectfully submitted,

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